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## SEQUENCE LISTING

&lt;110&gt; Wang, Hwa-Chain R.

<120> ANTIBODY COMPOSITIONS SPECIFIC FOR p33QIK AND p63KRS1  
POLYPEPTIDES AND USES THEREOF

&lt;130&gt; 4350.000800

&lt;140&gt; Unknown

&lt;141&gt; 2001-03-30

&lt;150&gt; 60/193,550

&lt;151&gt; 2000-03-31

&lt;160&gt; 76

&lt;170&gt; PatentIn Ver. 2.1

&lt;210&gt; 1

&lt;211&gt; 1476

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1

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&lt;211&gt; 491

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

4350.000800

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Gln	Glu	Ile	Ile	Lys	Glu	Ile	Ser	Ile	Met	Gln	Gln	Cys	Asp	Ser	Pro
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Tyr	Val	Val	Lys	Tyr	Tyr	Gly	Ser	Tyr	Phe	Lys	Asn	Thr	Asp	Leu	Trp
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275

280

285

Asp Leu Ile Thr Glu Ala Met Glu Ile Lys Ala Lys Arg His Asp Glu  
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Gln Gln Arg Glu Leu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu  
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Leu Asp Ser His Thr Met Val Lys Thr Ser Val Gly Glu Cys Gly Thr  
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Met Arg Ala Thr Ser Thr Met Ser Glu Gly Ala Gln Thr Met Ile Glu  
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His Asn Ser Thr Met Leu Glu Ser Asp Leu Gly Thr Met Val Ile Asn  
355 360 365

Ser Glu Asp Glu Glu Glu Glu Asp Gly Thr Met Lys Arg Asn Ala Thr  
370 375 380

Ser Pro Gln Val Gln Arg Pro Ser Phe Met Asp Tyr Phe Asp Lys Gln  
385 390 395 400

Asp Phe Lys Asn Lys Ser His Glu Asn Cys Asn Gln Asn Met His Glu  
405 410 415

Pro Phe Pro Met Ser Lys Asn Val Phe Pro Asp Asn Trp Lys Val Pro  
420 425 430

Gln Asp Gly Asp Phe Asp Phe Leu Lys Asn Leu Ser Leu Glu Glu Leu  
435 440 445

Gln Met Arg Leu Lys Ala Leu Asp Pro Met Met Glu Arg Glu Ile Glu  
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Glu Leu Arg Gln Arg Tyr Thr Ala Lys Arg Gln Pro Ile Leu Asp Ala  
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<211> 16

<212> PRT

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

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Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu  
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Thr

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<210> 7  
<211> 48  
<212> PRT  
<213> Artificial Sequence

<220>  
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<211> 47  
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<220>  
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Lys Asn Ala Lys Pro Val Ser Ile Leu Arg Asp Leu Ile Thr Glu Ala  
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Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr  
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<210> 9  
<211> 46  
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Asn Ala Lys Pro Val Ser Ile Leu Arg Asp Leu Ile Thr Glu Ala Met  
1 5 10 15  
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20 25 30  
Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr  
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<210> 10  
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<212> PRT  
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1 5 10 15

Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu  
20 25 30

Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr  
35 40 45

<210> 11  
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Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu  
20 25 30

Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr  
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<210> 12  
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<212> PRT  
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T  
A  
G  
-  
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Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu Glu  
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Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr  
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<210> 13

<211> 42

<212> PRT

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 13

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Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu Glu Asn  
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Ser Asp Glu Asp Glu Leu Asp Ser His Thr  
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<210> 14

<211> 41

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 14

Ser Ile Leu Arg Asp Leu Ile Thr Glu Ala Met Glu Ile Lys Ala Lys  
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Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu Glu Asn Ser  
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Asp Glu Asp Glu Leu Asp Ser His Thr  
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<210> 15

<211> 40

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 15

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1 5 10 15  
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20 25 30  
Glu Asp Glu Leu Asp Ser His Thr  
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<210> 16  
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<400> 16  
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20 25 30  
Asp Glu Leu Asp Ser His Thr  
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<210> 17  
<211> 38  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 17  
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Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu Asn Ser Asp Glu Asp  
20 25 30  
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<210> 18  
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<212> PRT  
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<220>



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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 18

Asp Leu Ile Thr Glu Ala Met Glu Ile Lys Ala Lys Arg His Asp Glu  
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Gln Gln Arg Glu Leu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu  
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Leu Asp Ser His Thr  
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<210> 19

<211> 36

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

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Gln Arg Glu Leu Glu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu  
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Asp Ser His Thr  
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<210> 20

<211> 35

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

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Arg Glu Leu Glu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp  
20 25 30

Ser His Thr  
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<210> 21

<211> 34

<212> PRT

<213> Artificial Sequence

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<220>

<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 21

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1 5 10 15

Glu Leu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser  
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His Thr

<210> 22

<211> 33

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

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1 5 10 15

Leu Glu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His  
20 25 30

Thr

<210> 23

<211> 32

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

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Ala Met Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu  
1 5 10 15

Glu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr  
20 25 30

<210> 24

<211> 31

<212> PRT

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

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1 5 10 15

Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr  
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<210> 25

<211> 29

<212> PRT

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

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1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His  
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<210> 26

<211> 28

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

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Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser  
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<212> PRT

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Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu  
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Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp  
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<210> 28  
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<400> 28  
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<210> 29  
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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 29  
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Glu Glu Glu Asn Ser Asp Glu Asp Glu  
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<210> 30  
<211> 24  
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Glu Glu Glu Asn Ser Asp Glu Asp  
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<210> 31

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<211> 23  
<212> PRT  
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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 31

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<210> 32  
<211> 22  
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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 32

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Glu Glu Glu Asn Ser Asp  
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<211> 21  
<212> PRT  
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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 33

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu  
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Glu Glu Glu Asn Ser  
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<210> 34  
<211> 20  
<212> PRT  
<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

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<400> 34

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<210> 35

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<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 35

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Glu Glu Glu

<210> 36

<211> 18

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 36

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<210> 37

<211> 29

<212> PRT

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 37

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Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr  
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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 38  
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Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr  
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<210> 39  
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Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr  
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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

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Asp Glu Asp Glu Leu Asp Ser His Thr  
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<210> 42

<211> 24

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 42

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Glu Asp Glu Leu Asp Ser His Thr  
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<210> 43

<211> 23

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 43

Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu Asn Ser Asp Glu  
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Asp Glu Leu Asp Ser His Thr  
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<210> 44

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<212> PRT

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Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu Asn Ser Asp Glu Asp  
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<210> 45  
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<400> 45  
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Leu Asp Ser His Thr  
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<210> 46  
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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

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Asp Ser His Thr  
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<210> 47  
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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

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Ser His Thr

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<220>

<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 48

Glu Leu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser  
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His Thr

<210> 49

<211> 17

<212> PRT

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<400> 49

Leu Glu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His  
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Thr

<210> 50

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

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<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

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Ala Met Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu  
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Glu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr  
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Met Val

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Glu Leu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser  
20 25 30  
His Thr Met Val Lys Thr  
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<210> 53  
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Leu Ile Thr Glu Ala Met Glu Ile Lys Ala Lys Arg His Asp Glu Gln  
1 5 10 15  
Gln Arg Glu Leu Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu  
20 25 30  
Asp Ser His Thr Met Val Lys Thr Ser Val  
35 40

<210> 54  
<211> 46  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 54  
Arg Asp Leu Ile Thr Glu Ala Met Glu Ile Lys Ala Lys Arg His Asp  
1 5 10 15  
Glu Gln Gln Arg Glu Leu Glu Glu Glu Glu Asn Ser Asp Glu Asp

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<210> 57
<211> 58
<212> PRT
<213> Artificial Sequence
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<220>

<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 57

Lys Pro Val Ser Ile Leu Arg Asp Leu Ile Thr Glu Ala Met Glu Ile  
1 5 10 15

Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu Glu  
20 25 30

Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val Lys Thr  
35 40 45

Ser Val Gly Glu Cys Gly Thr Met Arg Ala  
50 55

<210> 58

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 58

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu  
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met  
20 25 30

<210> 59

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 59

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu  
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val  
20 25 30

<210> 60

<211> 33

<212> PRT

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 60

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu  
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val  
20 25 30

Lys

<210> 61

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 61

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu  
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val  
20 25 30

Lys Thr

<210> 62

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 62

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu  
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val  
20 25 30

Lys Thr Ser  
35

<210> 63

<211> 36

<212> PRT

<213> Artificial Sequence

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<220>

<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 63

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu  
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val  
20 25 30

Lys Thr Ser Val  
35

<210> 64

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 64

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu  
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val  
20 25 30

Lys Thr Ser Val Gly  
35

<210> 65

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 65

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu  
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val  
20 25 30

Lys Thr Ser Val Gly Glu  
35

<210> 66

<211> 39

<212> PRT

<213> Artificial Sequence

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<220>

<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 66

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu  
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val  
20 25 30

Lys Thr Ser Val Gly Glu Cys  
35

<210> 67

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 67

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu  
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val  
20 25 30

Lys Thr Ser Val Gly Glu Cys Gly  
35 40

<210> 68

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 68

Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu  
1 5 10 15

Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val  
20 25 30

Lys Thr Ser Val Gly Glu Cys Gly Thr  
35 40

<210> 69

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<211> 42  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 69  
Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu  
1 5 10 15  
Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val  
20 25 30  
Lys Thr Ser Val Gly Glu Cys Gly Thr Met  
35 40

<210> 70  
<211> 43  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 70  
Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu  
1 5 10 15  
Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val  
20 25 30  
Lys Thr Ser Val Gly Glu Cys Gly Thr Met Arg  
35 40

<210> 71  
<211> 44  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 71  
Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu  
1 5 10 15  
Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val  
20 25 30  
Lys Thr Ser Val Gly Glu Cys Gly Thr Met Arg Ala  
35 40

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<210> 72  
<211> 45  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 72  
Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu  
1 5 10 15  
Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val  
20 25 30  
Lys Thr Ser Val Gly Glu Cys Gly Thr Met Arg Ala Thr  
35 40 45

<210> 73  
<211> 46  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 73  
Glu Ile Lys Ala Lys Arg His Asp Glu Gln Gln Arg Glu Leu Glu Glu  
1 5 10 15  
Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met Val  
20 25 30  
Lys Thr Ser Val Gly Glu Cys Gly Thr Met Arg Ala Thr Ser  
35 40 45

<210> 74  
<211> 30  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: SYNTHETIC PEPTIDE

<400> 74  
Glu Glu Glu Glu Asn Ser Asp Glu Asp Glu Leu Asp Ser His Thr Met  
1 5 10 15  
Val Lys Thr Ser Val Gly Glu Cys Gly Thr Met Arg Ala Thr  
20 25 30

<210> 75  
<211> 30

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Asp Glu Asp Glu Leu Asp Ser His Thr Met Val Lys Thr Ser  
20 25 30

[illegible]